



State of California – Natural Resources Agency  
DEPARTMENT OF FISH AND WILDLIFE  
South Coast Region  
3883 Ruffin Road  
San Diego, CA 92123  
(858) 467-4201  
www.wildlife.ca.gov

GAVIN NEWSOM, Governor  
CHARLTON H. BONHAM, Director



August 6, 2020

Tracey Brownfield  
Land Veritas Corp  
1001 Bridgeway #246  
Sausalito, CA 94965

**Subject: PETERSEN RANCH MITIGATION BANK, THIRD CREDIT RELEASE OF WATERS OF THE STATE, CEQA, CESA [CDFW TRACKING NO:1798-2013-04-R5, USACE FILE NO: SPL-2012-00669-BEM]**

Dear Ms. Brownfield:

The California Department of Fish and Wildlife (CDFW) authorizes the third credit release of Waters of the State, CEQA and CESA Credits for the Petersen Ranch Mitigation Bank Credits as shown in Tables 3, 4, and 5. Although this is a partial release of potential credits available in the Credit Release 3, all CDFW Credits for Credit Release 3 have been approved as requested by the Bank Sponsor. All Credits requested for release are shown in the attached Tables 1-5.

Based on discussions between the Bank Sponsor and Interagency Review Team (IRT), the releases of Enhancement Credits in Area E and Open Water Preservation Credits have not been requested or approved at this time. Enhancement Credits in Area E have not met all Performance Standards. In addition, as a precautionary measure, Open Water Preservation Credits, while not subject to performance standards, have not been requested or approved for release at this time. Multiple years of regional drought conditions and the use of water from Lake Elizabeth to fight the Powerhouse fire are thought to have lowered both the ground water and Lake Elizabeth's surface water level. The connection to groundwater and the surface water flow between Lake Elizabeth and the Open Water Credit Area have been impacted making the future condition of this area uncertain.

Sections VII.A.1.c, VII.C.1.c, and VII.D.2a(3) of the Bank Enabling Instrument (BEI) state that the third credit release (up to an additional 15% of the total anticipated credits) shall occur when:

- i. *The Bank Sponsor has submitted the Third Year Monitoring Report as required by The Development Plan;*
- ii. *Year 3 Performance Standards have been attained;*
- iii. *The Bank Sponsor funds a minimum of 40% of the Endowment Amount per section VI.E.2b;*
- iv. *Release 2 has occurred; and*
- v. *A site-wide delineation will be conducted within the Bank Properties in year 3 following implementation of the Development Plan.*

*Conserving California's Wildlife Since 1870*

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Item (i) was completed on November 15, 2019, with the submission of the 2019 Annual Monitoring Report to the IRT. Item (ii) was partially completed as documented in the Third Year Monitoring Report, submitted on November 15, 2019. Enhancement Area Credits in Area E of the Bank did not attain several Performance Standards, including dominance of natives, dominance of exotics, or species richness. Credits eligible to be released from these Enhancement Areas were not requested and are not approved for release. However, credits eligible for release from the Non-Enhancement Areas of Area E met their Performance Standards and were not negatively impacted by the poor performance in the Enhancement Area. Therefore, Non-Enhancement Credits of Area E are approved for release.

Item (iii) was completed on July 6, 2020. Land Veritas deposited \$98,340.62 into the Endowment Fund Account managed by the Southwest Resource Management Association following IRT provisional agreement that the other credit release 3 requirements had been met (Table 6 and Attachment A). Upon deposit, 40% of the total inflation adjusted long-term management amount for Area E was funded. This Endowment Deposit amount is a 2018 CPI adjusted number but is acceptable because your initial Credit Release request was dated February 4, 2020, before the 2019 CPI adjustment was required. Your Credit Release request was then revised by mutual agreement and resubmitted on July 13, 2020. Per Exhibit D-2 of the BEI, the total Endowment Fund will include a long-term management account and an easement compliance account. The easement compliance account was fully funded prior to Bank Establishment.

Item (iv) was completed between July and August 2018. On July 13, 2018, July 30, 2018, and August 9, 2018, CDFW, United States Army Corps of Engineers (USACE), and the Lahontan Regional Water Quality Control Board (RWQCB), respectively, approved the second credit release for the Bank.

Item (v) was completed in Spring 2019 and the Area E Year 3 delineation report was submitted as an appendix to the 2019 Third Year Annual Monitoring Report. Additionally, Land Veritas hosted a site visit for members of the Interagency Review Team on October 21, 2019.

The Bank Sponsor will pay the full proportional amount, 15% of the CDFW Implementation Fee, to CDFW following the procedures described in Sections VII.C.5 and VII.D.2(b) of the BEI. To date, \$24,601.11, or 40% of the total Implementation Fee has been funded. An additional 15% of the Implementation Fee in the amount of \$9,225.41, will be paid no later than the due date of the 2020 Fourth Year Annual Monitoring Report, which is November 15, 2020.

Based on the successful attainment of the release criteria as described above, CDFW approves the Banks Sponsor's request for the release all Non-Enhancement Area Credits associated with the third credit release with the exception of the 0.18 Credit of Open Water Preservation, as summarized in Tables 3, 4, and 5 and as shown in the Credit Ledgers (Attachment B).

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Sincerely,

DocuSigned by:

*Ed Pert*

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Edmund Pert  
Regional Manager  
South Coast Region

Ec: Shannon Pankratz, USACOE [Shannon.L.Pankratz@usace.army.mil](mailto:Shannon.L.Pankratz@usace.army.mil)  
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Table 1. Waters of the U.S, Area E, Uniform Re-Establishment Credits

404 Uniform Re-establishment Credit Type	Total Area E Credits	Release #1	Release #2	Release #3 (Requested)	Cumulative Percent Released Credits*
Alluvial Floodplain	25.95	3.89	6.49	3.73	54%
Ephemeral Stream	1.02	0.15	0.26	0.00	40%
Freshwater Marsh	0.05	0.01	0.01	0.00	40%
Open Water	1.64	0.25	0.41	0.00	40%

\*As stated above, Area E enhancement areas did not meet Year 3 performance standards. Therefore, eligible credits in those areas are not requested for release. 404 enhancement credits were converted to re-establishment credits as described in Exhibit F-1 of the BEI. Therefore, the cumulative amount of 404 re-establishment credits released is fewer than 55% for those re-establishment credits which were partially or entirely generated in the enhancement areas. The open water credit area is not currently performing as an open water feature due to regional changes to climate and hydrology. Therefore, eligible credits in those areas are not requested for release.

Table 2. Waters of the U.S, Area E, Buffer and Preservation Credits

404 Preservation and Buffer Credit Type	Total Area E Credits	Release #1	Release #2	Release #3 (Requested)	Cumulative Percent Released Credits
Open Water	1.23	0.18	0.31	0.00	40%

\* As stated above, the open water preservation credit area is not currently performing as an open water feature due to regional changes to climate and hydrology. Therefore, eligible credits in those areas are not requested for release.

Table 3. Waters of the State Credit Release Table

1600 Credit Type	Total Area E Credits	Release #1	Release #2	Release #3 (Requested)	Cumulative Percent Released Credits*
Alluvial Floodplain Enhanced	0.60	0.09	0.15	0.00	40%
Alluvial Floodplain Re-established	51.69	7.75	12.92	7.75	55%
Alluvial Floodplain Rehabilitated	5.85	0.88	1.46	0.88	55%
Ephemeral Stream Enhanced	0.49	0.07	0.12	0.00	40%
Freshwater Marsh Enhanced	0.10	0.01	0.02	0.00	40%
Non-wetland Riparian Enhanced	5.69	0.85	1.42	0.00	40%
Open Water Preserved	1.23	0.18	0.31	0.00	40%
Wetland Riparian Enhanced	5.25	0.79	1.31	0.00	40%

\*As stated above, Area E enhancement areas did not meet Year 3 performance standards. Therefore, eligible credits in those areas are not requested or approved for release. The open water preservation credit area is not currently performing as an open water feature due to regional changes to climate and hydrology. Therefore, eligible credits in those areas are not requested or approved for release.



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Table 4. CEQA Credit Release Table

CEQA Credit Type	Total Area E Credits	Release #1	Release #2	Release #3 (Requested)	Cumulative Percent Released Credits
Bare Ground	0.40	0.06	0.10	0.06	55%
Chaparral	61.72	9.26	15.43	7.97	53%
Great Basin scrub	62.10	9.32	15.53	8.92	54%
Open water	1.23	0.18	0.31	0.00	40%
Riparian forest	13.55	2.03	3.39	0.71	45%
Seeps, meadows, marshes	4.20	0.63	1.05	0.26	46%
Valley and foothill grassland	13.22	1.98	3.31	1.39	51%

\*As stated above, Area E enhancement areas did not meet Year 3 performance standards. Therefore, eligible credits in those areas are not requested or approved for release. The open water credit area is not currently performing as an open water feature due to regional changes to climate and hydrology. Therefore, eligible credits in those areas are not requested or approved for release.

Table 5. CESA Credit Release Table

CESA Credit Type	Total Area E Credits	Release #1	Release #2	Release #3 (Requested)	Cumulative Percent Released Credits
Swainson's Hawk Foraging Habitat	155.20	23.28	38.80	19.30	52%

\*As stated above, Area E enhancement areas did not meet Year 3 performance standards. Therefore, eligible credits in those areas are not requested or approved for release.

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Table 6. Endowment funding calculations. The entire Easement Compliance Endowment was funded in 2016.

Endowment Fund Financial Accounting		Easement Compliance Endowment	Long-Term Management Endowment	Total Area E Endowments	
Original Amount Required 5/11/2016 <sup>1</sup>		Ex. 4 CBI			
Adjusted Amount Based on 8.2% CPI as of Feb 2019 <sup>2</sup>					
Initial Deposit <sup>3</sup>	Amount				
	Deposit Date				
Deposit #1	Amount				
	Deposit Date				
Deposit #2	Amount				
	Deposit Date				
Deposit #3	Amount				
	Deposit Date				
Deposit #4	Amount				
	Deposit Date				
TOTAL DEPOSIT AMOUNT					
Percent Funded					
Net Amount of Investment Earnings, Gains, and Losses <sup>4</sup>					
Expenditures					
Current Balance					

<sup>1</sup> Amount agreed upon in the BEI, executed on 05/11/2016.

<sup>2</sup> Endowment amounts are adjusted annually using Consumer Price Index (CPI) data from the California Department of Industrial Relations, Division of Labor Statistics and Research published in February of each year. Adjustments are made using the CPI adjustment for all urban consumers, and they are made by March 1<sup>st</sup> of each year until the Endowment Fund is fully funded. No data was available for May 2016 as the start date or March 2019 as the end date, so June 2016 and February 2019 were used instead, respectively.

<sup>3</sup> The easement compliance endowment was fully funded by the Bank Sponsor

<sup>4</sup> Including realized and unrealized earnings.

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Attachment A

Long-Term Management Endowment Deposit #2 Receipt

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# Receipt

## Southwest Resource Management Association

07-06-20  
 Invoice #20-07-06

Southwest Resource Management Association  
 4500 Glenwood Drive  
 Riverside, CA 92501  
 Phone 951-300-2844  
 slamb@SRMA-CA.org

TO Tracey Brownfield  
 LV Lake Elizabeth, LLC Corp  
 LV-BP Investors Ranch, LLC

1505 Bridgeway, Suite 209  
 Sausalito, CA 94965  
 Phone 415-729-3733

Contact	Job	Payment Terms	Due Date
Tracey Brownfield	3rd <sup>rd</sup> Credit Release for Area E-Lake Elizabeth LTM Endowment	Due on receipt	

Qty	Description	Unit Price	Line Total
1	Receipt of Check #1518 for the Lake Elizabeth-Area E, Long Term Management Endowment, 3rd Credit Release.		
			Ex. 4 CBI
		Subtotal	
		Paid	
		Total Due	0

Make all checks payable to Southwest Resource Management Association

*Thank you for your business!*

Tracey Brown

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**Ex. 4 CBI**

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Attachment B

Ledgers

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Petersen Ranch Mitigation Bank Corps Ledger									
Tuesday, February 4, 2020									
Transaction No.	Date	Transaction Type	404 Credit Type	Project Applicant	Project Name	Corps File No.	CDFW File No.	RWQCB File No.	Transfer
Release A1	6/16/2016	Release	Open Water						0.01
Release A1	6/16/2016	Release	Wetland Riparian Riparian Buffer Preserved						0.72
Release A1	6/16/2016	Release	Wetland Riparian						1.36
Release A1	6/16/2016	Release	Seasonal Wetland Upland Buffer Preserved						39.68
Release A1	6/16/2016	Release	Seasonal Wetland Riparian Buffer Preserved						2.18
Release A1	6/16/2016	Release	Seasonal Wetland Preserved						0.19
Release A1	6/16/2016	Release	Seasonal Wetland						5.38
Release A1	6/16/2016	Release	Open Water Upland Buffer Preserved						0.80
Release A1	6/16/2016	Release	Wetland Riparian Upland Buffer Preserved						21.33
Release A1	6/16/2016	Release	Open Water Preserved						0.00
Release A1	6/16/2016	Release	Alluvial Floodplain Riparian Buffer Preserved						0.00
Release A1	6/16/2016	Release	Freshwater Marsh Upland Buffer Preserved						0.32
Release A1	6/16/2016	Release	Freshwater Marsh						0.05
Release A1	6/16/2016	Release	Ephemeral Stream Upland Buffer Preserved						5.44
Release A1	6/16/2016	Release	Ephemeral Stream Riparian Buffer Preserved						0.31
Release A1	6/16/2016	Release	Ephemeral Stream Preserved						0.05
Release A1	6/16/2016	Release	Ephemeral Stream						0.24
Release A1	6/16/2016	Release	Alluvial Floodplain Upland Buffer Preserved						0.05
Release A1	6/16/2016	Release	Alluvial Floodplain						0.58
Release A1	6/16/2016	Release	Open Water Riparian Buffer Preserved						0.03
Release E1	6/16/2016	Release	Open Water Preserved						0.18
Release E1	6/16/2016	Release	Open Water						0.25

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Release E1	6/16/2016	Release	Ephemeral Stream								0.15
Release E1	6/16/2016	Release	Alluvial Floodplain								3.89
Release E1	6/16/2016	Release	Freshwater Marsh								0.01
1	6/17/2016	Transfer	Wetland Riparian	Ermine St. LLC	Keystone Project - Tract 60258	SPL-2006-00667-AOA	1600-2006-0100-R5	11-175			0.46
1	6/17/2016	Transfer	Seasonal Wetland	Ermine St. LLC	Keystone Project - Tract 60258	SPL-2006-00667-AOA	1600-2006-0100-R5	11-175			0.37
2	6/20/2016	Transfer	Ephemeral Stream Riparian Buffer Preserved	LADWP	Beacon Solar				6B151305002		0.06



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Transaction No.	Date	Transaction Type	404 Credit Type	Project Applicant	Project Name	Corps File No.	CDFW File No.	RWQCB File No.	Transfer
3	6/20/2016	Transfer	Alluvial Floodplain	LADWP	Haskell Canyon Switching Station			13-031	0.11
3	6/20/2016	Transfer	Ephemeral Stream	LADWP	Haskell Canyon Switching Station			13-031	0.25
4	6/20/2016	Transfer	Alluvial Floodplain	LADWP	Barren Ridge Transmission Line			SB15001IN	1.71
5	6/21/2016	Transfer	Ephemeral Stream	SCE	Aliso Canyon Turbine Replacement			14-101	0.11
6	12/19/2016	Transfer	Alluvial Floodplain	Santa Clarita Valley Sanitation District	Valencia Water Reclamation Plant		1600-2016-0004-R5		0.09
6	12/19/2016	Transfer	Seasonal Wetland	Santa Clarita Valley Sanitation District	Valencia Water Reclamation Plant		1600-2016-0004-R5		0.27
6	12/19/2016	Transfer	Wetland Riparian	Santa Clarita Valley Sanitation District	Valencia Water Reclamation Plant		1600-2016-0004-R5		0.10
7	12/19/2016	Transfer	Ephemeral Stream	Seneca Resources	Sespe Basin and Weeper Dam			15-024	0.00
7	12/19/2016	Transfer	Open Water	Seneca Resources	Sespe Basin and Weeper Dam			15-024	0.02
7	12/19/2016	Transfer	Seasonal Wetland	Seneca Resources	Sespe Basin and Weeper Dam			15-024	0.03
8	3/13/2017	Transfer	Wetland Riparian Riparian Buffer Preserved	Pierce Hardy Limited Partnership	84 Lumber Lancaster Store		1600-2016-0134-R5	6B191605006	0.13
8	3/13/2017	Transfer	Seasonal Wetland Upland Buffer Preserved	Pierce Hardy Limited Partnership	84 Lumber Lancaster Store		1600-2016-0134-R5	6B191605006	0.25
8	3/13/2017	Transfer	Seasonal Wetland Riparian Buffer Preserved	Pierce Hardy Limited Partnership	84 Lumber Lancaster Store		1600-2016-0134-R5	6B191605006	0.17
8	3/13/2017	Transfer	Ephemeral Stream Riparian Buffer Preserved	Pierce Hardy Limited Partnership	84 Lumber Lancaster Store		1600-2016-0134-R5	6B191605006	0.15
8	3/13/2017	Transfer	Ephemeral Stream Preserved	Pierce Hardy Limited Partnership	84 Lumber Lancaster Store		1600-2016-0134-R5	6B191605006	0.05
8	3/13/2017	Transfer	Alluvial Floodplain	Pierce Hardy Limited Partnership	84 Lumber Lancaster Store		1600-2016-0134-R5	6B191605006	0.09
9	5/3/2017	Transfer	Seasonal Wetland	Center at Needham Ranch Land LLC	Gate King	SPL-2011-01067-BEM	1600-2006-0177-R5	11-123	1.64
9	5/3/2017	Transfer	Wetland Riparian	Center at Needham Ranch Land LLC	Gate King	SPL-2011-01067-BEM	1600-2006-0177-R5	11-123	0.64
9	5/3/2017	Transfer	Open Water	Center at Needham Ranch Land LLC	Gate King	SPL-2011-01067-BEM	1600-2006-0177-R5	11-123	0.03
9	5/3/2017	Transfer	Freshwater Marsh	Center at Needham Ranch Land LLC	Gate King	SPL-2011-01067-BEM	1600-2006-0177-R5	11-123	0.02

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10	7/25/2017	Transfer	Wetland Riparian	SCE	Mesa Substation	SPL-2015-00324-SLP	1600-2016-034-R5	0.01
10	7/25/2017	Transfer	Alluvial Floodplain	SCE	Mesa Substation	SPL-2015-00324-SLP	1600-2016-034-R5	0.24
10	7/25/2017	Transfer	Seasonal Wetland	SCE	Mesa Substation	SPL-2015-00324-SLP	1600-2016-034-R5	2.17
10	7/25/2017	Transfer	Ephemeral Stream	SCE	Mesa Substation	SPL-2015-00324-SLP	1600-2016-034-R5	0.00
11	11/6/2017	Transfer	Alluvial Floodplain	Limoneira Lewis Community Builders, LLC	East Area One Specific Plan		4WQC40116130	1.52

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Transaction No.	Date	Transaction Type	404 Credit Type	Project Applicant	Project Name	Corps File No.	CDFW File No.	RWQCB File No.	Transfer
Release A2	6/5/2018	Release	Freshwater Marsh						0.09
Release A2	6/5/2018	Release	Ephemeral Stream Riparian Buffer Preserved						0.51
Release A2	6/5/2018	Release	Alluvial Floodplain						0.97
Release A2	6/5/2018	Release	Wetland Riparian Upland Buffer Preserved						35.54
Release A2	6/5/2018	Release	Ephemeral Stream Upland Buffer Preserved						9.07
Release A2	6/5/2018	Release	Ephemeral Stream Preserved						0.08
Release A2	6/5/2018	Release	Ephemeral Stream						0.40
Release A2	6/5/2018	Release	Alluvial Floodplain Upland Buffer Preserved						0.08
Release A2	6/5/2018	Release	Alluvial Floodplain Riparian Buffer Preserved						0.01
Release A2	6/5/2018	Release	Open Water Riparian Buffer Preserved						0.06
Release A2	6/5/2018	Release	Open Water Upland Buffer Preserved						1.33
Release A2	6/5/2018	Release	Open Water						0.02
Release A2	6/5/2018	Release	Seasonal Wetland						8.97
Release A2	6/5/2018	Release	Seasonal Wetland Preserved						0.32
Release A2	6/5/2018	Release	Seasonal Wetland Riparian Buffer Preserved						3.64
Release A2	6/5/2018	Release	Seasonal Wetland Upland Buffer Preserved						66.13
Release A2	6/5/2018	Release	Wetland Riparian						2.27
Release A2	6/5/2018	Release	Freshwater Marsh Upland Buffer Preserved						0.53
Release A2	6/5/2018	Release	Open Water Preserved						0.00
Release A2	6/5/2018	Release	Wetland Riparian Riparian Buffer Preserved						1.20
Release E2	6/5/2018	Release	Alluvial Floodplain						6.49
Release E2	6/5/2018	Release	Ephemeral Stream						0.26
Release E2	6/5/2018	Release	Open Water Preserved						0.31
Release E2	6/5/2018	Release	Open Water						0.41

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Release E2	6/5/2018	Release	Freshwater Marsh					0.01
12	6/22/2018	Transfer	Alluvial Floodplain	Southern California Edison	Tower M1-T6		16-128	0.03
13	6/26/2018	Transfer	Seasonal Wetland	Southern California Edison	401 Programmatic Permit		SB17001GN	0.00
13	6/26/2018	Transfer	Freshwater Marsh	Southern California Edison	401 Programmatic Permit		SB17001GN	0.02
13	6/26/2018	Transfer	Wetland Riparian	Southern California Edison	401 Programmatic Permit		SB17001GN	0.00
14	8/27/2018	Transfer	Wetland Riparian	Whittaker Corporation	Former Whittaker-Bermite Facility Remediation		1600-2010-0366-R5-A1	0.02

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Transaction No.	Date	Transaction Type	404 Credit Type	Project Applicant	Project Name	Corps File No.	CDFW File No.	RWQCB File No.	Transfer
14	8/27/2018	Transfer	Seasonal Wetland	Whittaker Corporation	Former Whittaker-Bermite Facility Remediation		1600-2010-0366-R5-A1		0.12
16	9/28/2018	Transfer	Wetland Riparian Upland Buffer Preserved	LADWP	Van Norman Complex		NOV Dated June 13, 2016		19.88
16	9/28/2018	Transfer	Wetland Riparian	LADWP	Van Norman Complex		NOV Dated June 13, 2016		1.84
16	9/28/2018	Transfer	Seasonal Wetland Upland Buffer Preserved	LADWP	Van Norman Complex		NOV Dated June 13, 2016		19.88
16	9/28/2018	Transfer	Seasonal Wetland	LADWP	Van Norman Complex		NOV Dated June 13, 2016		6.11
17	12/26/2018	Transfer	Wetland Riparian	Design, Create, Explore	Palmdale Aerospace Academy		1600-2018-0176-R5		0.25
17	12/26/2018	Transfer	Alluvial Floodplain	Design, Create, Explore	Palmdale Aerospace Academy		1600-2018-0176-R5		0.01
18	2/5/2019	Transfer	Ephemeral Stream Riparian Buffer Preserved	City of Santa Clarita	Canyon Country	SPL-2016-00526-ZAS	1600-2018-0130-R5	18-061	0.32
18	2/5/2019	Transfer	Open Water Riparian Buffer Preserved	City of Santa Clarita	Canyon Country	SPL-2016-00526-ZAS	1600-2018-0130-R5	18-061	0.02
18	2/5/2019	Transfer	Seasonal Wetland Riparian Buffer Preserved	City of Santa Clarita	Canyon Country	SPL-2016-00526-ZAS	1600-2018-0130-R5	18-061	0.17
18	2/5/2019	Transfer	Ephemeral Stream Preserved	City of Santa Clarita	Canyon Country	SPL-2016-00526-ZAS	1600-2018-0130-R5	18-061	0.08
19	2/14/2019	Transfer	Ephemeral Stream	City of Los Angeles	Wilmington Drain Multi-Use		1600-2010-0363-R5		0.09
19	2/14/2019	Transfer	Open Water	City of Los Angeles	Wilmington Drain Multi-Use		1600-2010-0363-R5		0.03
20	7/22/2019	Transfer	Ephemeral Stream	LADWP	Slymar Filter Replacement and Storm Drain Conversion Project		1600-2018-0216-R5	18-115	0.06
20	7/22/2019	Transfer	Alluvial Floodplain	LADWP	Slymar Filter Replacement and Storm Drain Conversion Project		1600-2018-0216-R5	18-115	0.30

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Transaction No.	Date	Transaction Type	404 Credit Type		Project Applicant	Project Name	Corps File No.	CDFW File No.	RWQCB File No.	Transfer
404 Credit Type			Release	Transfer	Available					
		Alluvial Floodplain	11.93	4.11	7.82					
		Alluvial Floodplain Riparian Buffer Preserved	0.01		0.01					
		Alluvial Floodplain Upland Buffer Preserved	0.13		0.13					
		Ephemeral Stream	1.04	0.50	0.54					
		Ephemeral Stream Preserved	0.13	0.13	0.00					
		Ephemeral Stream Riparian Buffer Preserved	0.82	0.53	0.29					
		Ephemeral Stream Upland Buffer Preserved	14.51		14.51					
		Freshwater Marsh	0.17	0.04	0.13					
		Freshwater Marsh Upland Buffer Preserved	0.85		0.85					
		Open Water	0.69	0.08	0.61					
		Open Water Preserved	0.49		0.49					
		Open Water Riparian Buffer Preserved	0.09	0.02	0.08					
		Open Water Upland Buffer Preserved	2.13		2.13					
		Seasonal Wetland	14.36	10.70	3.65					
		Seasonal Wetland Preserved	0.51		0.51					
		Seasonal Wetland Riparian Buffer Preserved	5.83	0.34	5.48					
		Seasonal Wetland Upland Buffer Preserved	105.80	20.13	85.68					
		Wetland Riparian	3.64	3.32	0.31					
		Wetland Riparian Riparian Buffer Preserved	1.91	0.13	1.78					
		Wetland Riparian Upland Buffer Preserved	56.87	19.88	36.99					
			221.90	59.90	162.00					

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Transaction No.	Date	1600 Credit Type	Project Applicant	Project Name	Corps File No.	CDFW File No.	RWQCB File No.	Transfer
Release A1	6/16/2016	Non-wetland Riparian Preserved						2.77
Release A1	6/16/2016	Wetland Riparian Enhanced						0.05
Release A1	6/16/2016	Seasonal Wetland Rehabilitated						7.91
Release A1	6/16/2016	Seasonal Wetland Re-established						0.82
Release A1	6/16/2016	Seasonal Wetland Preserved						0.54
Release A1	6/16/2016	Seasonal Wetland Enhanced						0.18
Release A1	6/16/2016	Open Water Preserved						0.00
Release A1	6/16/2016	Open Water Enhanced						0.00
Release A1	6/16/2016	Wetland Riparian Rehabilitated						0.78
Release A1	6/16/2016	Non-wetland Riparian Re-established						0.00
Release A1	6/16/2016	Freshwater Marsh Enhanced						0.11
Release A1	6/16/2016	Non-wetland Riparian Enhanced						1.30
Release A1	6/16/2016	Ephemeral Stream Rehabilitated						0.02
Release A1	6/16/2016	Ephemeral Stream Enhanced						0.09
Release A1	6/16/2016	Alluvial Floodplain Rehabilitated						0.07
Release A1	6/16/2016	Alluvial Floodplain Re-established						0.55
Release A1	6/16/2016	Alluvial Floodplain Preserved						0.11
Release A1	6/16/2016	Alluvial Floodplain Enhanced						0.07
Release A1	6/16/2016	Non-wetland Riparian Rehabilitated						1.88
Release A1	6/16/2016	Ephemeral Stream Preserved						0.74
Release E1	6/16/2016	Ephemeral Stream Enhanced						0.07
Release E1	6/16/2016	Open Water Preserved						0.18
Release E1	6/16/2016	Freshwater Marsh Enhanced						0.01
Release E1	6/16/2016	Non-wetland Riparian Enhanced						0.85
Release E1	6/16/2016	Alluvial Floodplain Enhanced						0.09

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Release E1	6/16/2016	Wetland Riparian Enhanced						0.79
Release E1	6/16/2016	Alluvial Floodplain Rehabilitated						0.88
Release E1	6/16/2016	Alluvial Floodplain Re-established						7.75
1	6/17/2016	Wetland Riparian Rehabilitated	Ermine St. LLC	Keystone Project - Tract 60258	SPL-2006-00667-AOA	1600-2006-0100-R5	11-175	0.77
1	6/17/2016	Seasonal Wetland Rehabilitated	Ermine St. LLC	Keystone Project - Tract 60258	SPL-2006-00667-AOA	1600-2006-0100-R5	11-175	0.13
1	6/17/2016	Non-wetland Riparian Rehabilitated	Ermine St. LLC	Keystone Project - Tract 60258	SPL-2006-00667-AOA	1600-2006-0100-R5	11-175	1.50



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Transaction No.	Date	1600 Credit Type	Project Applicant	Project Name	Corps File No.	CDFW File No.	RWQCB File No.	Transfer
2	6/20/2016	Ephemeral Stream Preserved	LADWP	Beacon Solar			6B151305002	0.15
3	6/20/2016	Non-wetland Riparian Enhanced	LADWP	Haskell Canyon Switching Station			13-031	0.58
3	6/20/2016	Ephemeral Stream Rehabilitated	LADWP	Haskell Canyon Switching Station			13-031	0.02
3	6/20/2016	Ephemeral Stream Enhanced	LADWP	Haskell Canyon Switching Station			13-031	0.04
3	6/20/2016	Alluvial Floodplain Re-established	LADWP	Haskell Canyon Switching Station			13-031	0.07
4	6/20/2016	Ephemeral Stream Enhanced	LADWP	Barren Ridge Transmission Line			SB15001IN	0.00
4	6/20/2016	Wetland Riparian Enhanced	LADWP	Barren Ridge Transmission Line			SB15001IN	0.02
4	6/20/2016	Non-wetland Riparian Enhanced	LADWP	Barren Ridge Transmission Line			SB15001IN	0.04
4	6/20/2016	Alluvial Floodplain Rehabilitated	LADWP	Barren Ridge Transmission Line			SB15001IN	0.88
4	6/20/2016	Alluvial Floodplain Re-established	LADWP	Barren Ridge Transmission Line			SB15001IN	0.99
4	6/20/2016	Alluvial Floodplain Enhanced	LADWP	Barren Ridge Transmission Line			SB15001IN	0.09
4	6/20/2016	Non-wetland Riparian Rehabilitated	LADWP	Barren Ridge Transmission Line			SB15001IN	0.02
5	6/21/2016	Ephemeral Stream Rehabilitated	SCE	Aliso Canyon Turbine Replacement			14-101	0.00
5	6/21/2016	Non-wetland Riparian Enhanced	SCE	Aliso Canyon Turbine Replacement			14-101	0.09
5	6/21/2016	Ephemeral Stream Enhanced	SCE	Aliso Canyon Turbine Replacement			14-101	0.04
6	12/19/2016	Alluvial Floodplain Rehabilitated	Santa Clarita Valley Sanitation	Valencia Water Reclamation Plant		1600-2016-0004-R5		0.04
6	12/19/2016	Non-wetland Riparian Rehabilitated	Santa Clarita Valley Sanitation	Valencia Water Reclamation Plant		1600-2016-0004-R5		0.36
6	12/19/2016	Seasonal Wetland Rehabilitated	Santa Clarita Valley Sanitation	Valencia Water Reclamation Plant		1600-2016-0004-R5		0.54
6	12/19/2016	Alluvial Floodplain Re-established	Santa Clarita Valley Sanitation	Valencia Water Reclamation Plant		1600-2016-0004-R5		0.28
7	12/19/2016	Seasonal Wetland Enhanced	Seneca Resources	Sespe Basin and Weeper Dam			15-024	0.13
7	12/19/2016	Wetland Riparian Enhanced	Seneca Resources	Sespe Basin and Weeper Dam			15-024	0.09
8	3/13/2017	Ephemeral Stream Preserved	Pierce Hardy Limited Partnership	84 Lumber Lancaster Store		1600-2016-0134-R5	6B191605006	0.45
8	3/13/2017	Alluvial Floodplain Re-established	Pierce Hardy Limited Partnership	84 Lumber Lancaster Store		1600-2016-0134-R5	6B191605006	0.28
8	3/13/2017	Alluvial Floodplain Preserved	Pierce Hardy Limited Partnership	84 Lumber Lancaster Store		1600-2016-0134-R5	6B191605006	0.11
9	5/3/2017	Seasonal Wetland Rehabilitated	Center at Needham Ranch Land LLC	Gate King	SPL-2011-01067-BEM	1600-2006-0177-R5	11-123	2.91
10	7/25/2017	Alluvial Floodplain Re-established	SCE	Mesa Substation	SPL-2015-00324-SLP	1600-2016-034-R5		0.72
10	7/25/2017	Alluvial Floodplain Rehabilitated	SCE	Mesa Substation	SPL-2015-00324-SLP	1600-2016-034-R5		0.03

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10	7/25/2017	Seasonal Wetland Rehabilitated	SCE	Mesa Substation	SPL-2015-00324-SLP	1600-2016-034-R5	4.33
11	11/6/2017	Alluvial Floodplain Re-established	Limoneira Lewis Community Builders, LLC	East Area One Specific Plan		4WQC40116130	4.56
Release A2	6/5/2018	Ephemeral Stream Preserved					1.23
Release A2	6/5/2018	Ephemeral Stream Rehabilitated					0.03
Release A2	6/5/2018	Freshwater Marsh Enhanced					0.18
Release A2	6/5/2018	Non-wetland Riparian Preserved					4.61

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Transaction No.	Date	1600 Credit Type	Project Applicant	Project Name	Corps File No.	CDFW File No.	RWQCB File No.	Transfer
Release A2	6/5/2018	Non-wetland Riparian Rehabilitated						3.13
Release A2	6/5/2018	Ephemeral Stream Enhanced						0.15
Release A2	6/5/2018	Open Water Preserved						0.00
Release A2	6/5/2018	Non-wetland Riparian Enhanced						2.17
Release A2	6/5/2018	Seasonal Wetland Enhanced						0.29
Release A2	6/5/2018	Seasonal Wetland Preserved						0.90
Release A2	6/5/2018	Open Water Enhanced						0.01
Release A2	6/5/2018	Seasonal Wetland Re-established						1.36
Release A2	6/5/2018	Alluvial Floodplain Re-established						0.92
Release A2	6/5/2018	Alluvial Floodplain Preserved						0.18
Release A2	6/5/2018	Alluvial Floodplain Enhanced						0.12
Release A2	6/5/2018	Seasonal Wetland Rehabilitated						13.19
Release A2	6/5/2018	Wetland Riparian Enhanced						0.08
Release A2	6/5/2018	Wetland Riparian Rehabilitated						1.29
Release A2	6/5/2018	Non-wetland Riparian Re-established						0.01
Release A2	6/5/2018	Alluvial Floodplain Rehabilitated						0.11
Release E2	6/5/2018	Alluvial Floodplain Re-established						12.92
Release E2	6/5/2018	Ephemeral Stream Enhanced						0.12
Release E2	6/5/2018	Alluvial Floodplain Rehabilitated						1.46
Release E2	6/5/2018	Freshwater Marsh Enhanced						0.02
Release E2	6/5/2018	Open Water Preserved						0.31
Release E2	6/5/2018	Alluvial Floodplain Enhanced						0.15
Release E2	6/5/2018	Non-wetland Riparian Enhanced						1.42
Release E2	6/5/2018	Wetland Riparian Enhanced						1.31
12	6/22/2018	Alluvial Floodplain Re-established	Southern California Edison	Tower M1-T6			16-128	0.09
13	6/26/2018	Ephemeral Stream Enhanced	Southern California Edison	401 Programmatic Permit			SB17001GN	0.04
14	8/27/2018	Non-wetland Riparian Rehabilitated	Whittaker Corporation	Former Whittaker-Bermite Facility Remediation		1600-2010-0366-R5-A1		0.53

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16	9/28/2018	Wetland Riparian Rehabilitated	LADWP	Van Norman Complex		NOV Dated June 13, 2016		1.30
16	9/28/2018	Seasonal Wetland Rehabilitated	LADWP	Van Norman Complex		NOV Dated June 13, 2016		7.21
16	9/28/2018	Seasonal Wetland Re-established	LADWP	Van Norman Complex		NOV Dated June 13, 2016		2.18
17	12/26/2018	Non-wetland Riparian Rehabilitated	Design, Create, Explore	Palmdale Aerospace Academy		1600-2018-0176-R5		1.05
18	2/5/2019	Ephemeral Stream Preserved	City of Santa Clarita	Canyon Country	SPL-2016-00526-ZAS	1600-2018-0130-R5	18-061	1.00

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Transaction No.	Date	1600 Credit Type	Project Applicant	Project Name	Corps File No.	CDFW File No.	RWQCB File No.	Transfer
19	2/14/2019	Non-wetland Riparian Enhanced	City of Los Angeles	Wilmington Drain Multi-Use		1600-2010-0363-R5		1.01
20	7/22/2019	Alluvial Floodplain Re-established	LADWP	Slymar Filter Replacement and Storm Drain Conversion Project		1600-2018-0216-R5	18-115	0.28
20	7/22/2019	Alluvial Floodplain Rehabilitated	LADWP	Slymar Filter Replacement and Storm Drain Conversion Project		1600-2018-0216-R5	18-115	0.04

1600 Credit Type	Release	Transfer	Available
Alluvial Floodplain Enhanced	0.44	0.09	0.35
Alluvial Floodplain Preserved	0.29	0.11	0.18
Alluvial Floodplain Re-established	22.15	7.27	14.88
Alluvial Floodplain Rehabilitated	2.52	0.98	1.53
Ephemeral Stream Enhanced	0.43	0.12	0.31
Ephemeral Stream Preserved	1.97	1.60	0.37
Ephemeral Stream Rehabilitated	0.05	0.02	0.03
Freshwater Marsh Enhanced	0.33		0.33
Non-wetland Riparian Enhanced	5.75	1.73	4.03
Non-wetland Riparian Preserved	7.38		7.38
Non-wetland Riparian Re-established	0.01		0.01
Non-wetland Riparian Rehabilitated	5.02	3.46	1.56
Open Water Enhanced	0.01		0.01
Open Water Preserved	0.49		0.49
Seasonal Wetland Enhanced	0.47	0.13	0.34
Seasonal Wetland Preserved	1.44		1.44
Seasonal Wetland Re-established	2.18	2.18	0.00
Seasonal Wetland Rehabilitated	21.10	15.12	5.98
Wetland Riparian Enhanced	2.23	0.11	2.11

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Wetland Riparian Rehabilitated	2.07	2.07	0.00
	76.32	34.99	41.33

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Transaction No.	Date	Transaction Type	CEQA Credit Type	Project Applicant	Project Name	Corps File No.	CDFW File No.	RWQCB File No.	Transfer
Release A1	6/16/2016	Release	Valley and foothill grassland						33.61
Release A1	6/16/2016	Release	Riparian scrub						0.94
Release A1	6/16/2016	Release	Riparian forest						1.39
Release A1	6/16/2016	Release	Open water						0.00
Release A1	6/16/2016	Release	Non-native woodland						0.07
Release A1	6/16/2016	Release	Bare Ground						2.11
Release A1	6/16/2016	Release	Great Basin scrub						51.24
Release A1	6/16/2016	Release	Cismontane woodland, pinyon-juniper woodland						1.78
Release A1	6/16/2016	Release	Chaparral						53.09
Release A1	6/16/2016	Release	Seeps, meadows, marshes						10.74
Release E1	6/16/2016	Release	Chaparral						9.26
Release E1	6/16/2016	Release	Bare Ground						0.06
Release E1	6/16/2016	Release	Great Basin scrub						9.32
Release E1	6/16/2016	Release	Open water						0.18
Release E1	6/16/2016	Release	Riparian forest						2.03
Release E1	6/16/2016	Release	Seeps, meadows, marshes						0.63
Release E1	6/16/2016	Release	Valley and foothill grassland						1.98
1	6/17/2016	Transfer	Great Basin scrub	Ermine St. LLC	Keystone Project - Tract 60258	SPL-2006-00667-AOA	1600-2006-0100-R5	11-175	1.20
1	6/17/2016	Transfer	Seeps, meadows, marshes	Ermine St. LLC	Keystone Project - Tract 60258	SPL-2006-00667-AOA	1600-2006-0100-R5	11-175	0.17
1	6/17/2016	Transfer	Riparian forest	Ermine St. LLC	Keystone Project - Tract 60258	SPL-2006-00667-AOA	1600-2006-0100-R5	11-175	1.03
2	6/20/2016	Transfer	Riparian scrub	LADWP	Beacon Solar			6B151305002	0.01
2	6/20/2016	Transfer	Great Basin scrub	LADWP	Beacon Solar			6B151305002	0.03
2	6/20/2016	Transfer	Cismontane woodland, pinyon-juniper woodland	LADWP	Beacon Solar			6B151305002	0.01
2	6/20/2016	Transfer	Chaparral	LADWP	Beacon Solar			6B151305002	0.08
2	6/20/2016	Transfer	Valley and foothill grassland	LADWP	Beacon Solar			6B151305002	0.02

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3	6/20/2016	Transfer	Chaparral	LADWP	Haskell Canyon Switching Station	13-031	0.40
3	6/20/2016	Transfer	Valley and foothill grassland	LADWP	Haskell Canyon Switching Station	13-031	0.78
3	6/20/2016	Transfer	Riparian scrub	LADWP	Haskell Canyon Switching Station	13-031	0.01
3	6/20/2016	Transfer	Great Basin scrub	LADWP	Haskell Canyon Switching Station	13-031	0.53
3	6/20/2016	Transfer	Bare Ground	LADWP	Haskell Canyon Switching Station	13-031	0.01
3	6/20/2016	Transfer	Riparian forest	LADWP	Haskell Canyon Switching Station	13-031	0.26
4	6/20/2016	Transfer	Seeps, meadows, marshes	LADWP	Barren Ridge Transmission Line	SB15001IN	0.09



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Transaction No.	Date	Transaction Type	CEQA Credit Type	Project Applicant	Project Name	Corps File No.	CDFW File No.	RWQCB File No.	Transfer
4	6/20/2016	Transfer	Valley and foothill grassland	LADWP	Barren Ridge Transmission Line			SB15001IN	0.13
4	6/20/2016	Transfer	Chaparral	LADWP	Barren Ridge Transmission Line			SB15001IN	1.28
4	6/20/2016	Transfer	Riparian scrub	LADWP	Barren Ridge Transmission Line			SB15001IN	0.02
4	6/20/2016	Transfer	Great Basin scrub	LADWP	Barren Ridge Transmission Line			SB15001IN	2.24
4	6/20/2016	Transfer	Riparian forest	LADWP	Barren Ridge Transmission Line			SB15001IN	0.16
5	6/21/2016	Transfer	Valley and foothill grassland	SCE	Aliso Canyon Turbine Replacement			14-101	0.00
5	6/21/2016	Transfer	Great Basin scrub	SCE	Aliso Canyon Turbine Replacement			14-101	0.44
5	6/21/2016	Transfer	Chaparral	SCE	Aliso Canyon Turbine Replacement			14-101	0.22
5	6/21/2016	Transfer	Non-native woodland	SCE	Aliso Canyon Turbine Replacement			14-101	0.03
5	6/21/2016	Transfer	Riparian forest	SCE	Aliso Canyon Turbine Replacement			14-101	0.02
5	6/21/2016	Transfer	Riparian scrub	SCE	Aliso Canyon Turbine Replacement			14-101	0.09
5	6/21/2016	Transfer	Seeps, meadows, marshes	SCE	Aliso Canyon Turbine Replacement			14-101	0.03
5	6/21/2016	Transfer	Bare Ground	SCE	Aliso Canyon Turbine Replacement			14-101	0.02
6	12/19/2016	Transfer	Seeps, meadows, marshes	Santa Clarita Valley Sanitation District	Valencia Water Reclamation Plant		1600-2016-0004-R5		0.54
6	12/19/2016	Transfer	Riparian forest	Santa Clarita Valley Sanitation District	Valencia Water Reclamation Plant		1600-2016-0004-R5		0.19
6	12/19/2016	Transfer	Great Basin scrub	Santa Clarita Valley Sanitation District	Valencia Water Reclamation Plant		1600-2016-0004-R5		0.49
7	12/19/2016	Transfer	Valley and foothill grassland	Seneca Resources	Sespe Basin and Weeper Dam			15-024	0.01
7	12/19/2016	Transfer	Seeps, meadows, marshes	Seneca Resources	Sespe Basin and Weeper Dam			15-024	0.20
7	12/19/2016	Transfer	Great Basin scrub	Seneca Resources	Sespe Basin and Weeper Dam			15-024	0.01
8	3/13/2017	Transfer	Chaparral	Pierce Hardy Limited Partnership	84 Lumber Lancaster Store		1600-2016-0134-R5	6B191605006	0.29
8	3/13/2017	Transfer	Great Basin scrub	Pierce Hardy Limited Partnership	84 Lumber Lancaster Store		1600-2016-0134-R5	6B191605006	0.73
8	3/13/2017	Transfer	Valley and foothill grassland	Pierce Hardy Limited Partnership	84 Lumber Lancaster Store		1600-2016-0134-R5	6B191605006	0.12
9	5/3/2017	Transfer	Seeps, meadows, marshes	Center at Needham Ranch Land LLC	Gate King	SPL-2011-01067-BEM	1600-2006-0177-R5	11-123	3.88
9	5/3/2017	Transfer	Riparian forest	Center at Needham Ranch Land LLC	Gate King	SPL-2011-01067-BEM	1600-2006-0177-R5	11-123	0.00
9	5/3/2017	Transfer	Great Basin scrub	Center at Needham Ranch Land LLC	Gate King	SPL-2011-01067-BEM	1600-2006-0177-R5	11-123	3.08

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9	5/3/2017	Transfer	Valley and foothill grassland	Center at Needham Ranch Land LLC	Gate King	SPL-2011-01067-BEM	1600-2006-0177-R5	11-123	1.12
9	5/3/2017	Transfer	Chaparral	Center at Needham Ranch Land LLC	Gate King	SPL-2011-01067-BEM	1600-2006-0177-R5	11-123	6.52
9	5/3/2017	Transfer	Bare Ground	Center at Needham Ranch Land LLC	Gate King	SPL-2011-01067-BEM	1600-2006-0177-R5	11-123	1.00
9	5/3/2017	Transfer	Non-native woodland	Center at Needham Ranch Land LLC	Gate King	SPL-2011-01067-BEM	1600-2006-0177-R5	11-123	0.01
10	7/25/2017	Transfer	Seeps, meadows, marshes	SCE	Mesa Substation	SPL-2015-00324-SLP	1600-2016-034-R5		4.33

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Transaction No.	Date	Transaction Type	CEQA Credit Type	Project Applicant	Project Name	Corps File No.	CDFW File No.	RWQCB File No.	Transfer
10	7/25/2017	Transfer	Great Basin scrub	SCE	Mesa Substation	SPL-2015-00324-SLP	1600-2016-034-R5		0.75
10	7/25/2017	Transfer	Bare Ground	SCE	Mesa Substation	SPL-2015-00324-SLP	1600-2016-034-R5		0.01
11	11/6/2017	Transfer	Great Basin scrub	Limoneira Lewis Community Builders, LLC	East Area One Specific Plan			4WQC40116130	4.56
Release A2	6/5/2018	Release	Riparian scrub						1.57
Release A2	6/5/2018	Release	Valley and foothill grassland						56.01
Release A2	6/5/2018	Release	Seeps, meadows, marshes						17.90
Release A2	6/5/2018	Release	Riparian forest						2.32
Release A2	6/5/2018	Release	Open water						0.01
Release A2	6/5/2018	Release	Non-native woodland						0.12
Release A2	6/5/2018	Release	Great Basin scrub						85.41
Release A2	6/5/2018	Release	Cismontane woodland, pinyon-juniper woodland						2.97
Release A2	6/5/2018	Release	Bare Ground						3.52
Release A2	6/5/2018	Release	Chaparral						88.49
Release E2	6/5/2018	Release	Riparian forest						3.39
Release E2	6/5/2018	Release	Open water						0.31
Release E2	6/5/2018	Release	Bare Ground						0.10
Release E2	6/5/2018	Release	Seeps, meadows, marshes						1.05
Release E2	6/5/2018	Release	Valley and foothill grassland						3.31
Release E2	6/5/2018	Release	Great Basin scrub						15.53
Release E2	6/5/2018	Release	Chaparral						15.43
12	6/22/2018	Transfer	Seeps, meadows, marshes	Southern California Edison	Tower M1-T6			16-128	0.09
13	6/26/2018	Transfer	Great Basin scrub	Southern California Edison	401 Programmatic Permit			SB17001GN	0.13
13	6/26/2018	Transfer	Riparian forest	Southern California Edison	401 Programmatic Permit			SB17001GN	0.01
13	6/26/2018	Transfer	Riparian scrub	Southern California Edison	401 Programmatic Permit			SB17001GN	0.02
13	6/26/2018	Transfer	Seeps, meadows, marshes	Southern California Edison	401 Programmatic Permit			SB17001GN	0.03
13	6/26/2018	Transfer	Valley and foothill grassland	Southern California Edison	401 Programmatic Permit			SB17001GN	0.01
14	8/27/2018	Transfer	Great Basin scrub	Whittaker Corporation	Former Whittaker-Bermite Facility Remediation		1600-2010-0366-R5-A1		0.47

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14	8/27/2018	Transfer	Riparian forest	Whittaker Corporation	Former Whittaker-Bermite Facility Remediation	1600-2010-0366-R5-A1	0.06
15	8/27/2018	Transfer	Chaparral	Sand Canyon Plaza LLC	Sand Canyon Plaza	1600-2017-0092-R5, Revision 4	5.13
16	9/28/2018	Transfer	Chaparral	LADWP	Van Norman Complex	NOV Dated June 13, 2016	1.35
16	9/28/2018	Transfer	Great Basin scrub	LADWP	Van Norman Complex	NOV Dated June 13, 2016	9.34

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Transaction No.	Date	Transaction Type	CEQA Credit Type	Project Applicant	Project Name	Corps File No.	CDFW File No.	RWQCB File No.	Transfer
16	9/28/2018	Transfer	Riparian forest	LADWP	Van Norman Complex		NOV Dated June 13, 2016		1.24
16	9/28/2018	Transfer	Seeps, meadows, marshes	LADWP	Van Norman Complex		NOV Dated June 13, 2016		11.33
16	9/28/2018	Transfer	Valley and foothill grassland	LADWP	Van Norman Complex		NOV Dated June 13, 2016		37.69
16	9/28/2018	Transfer	Bare Ground	LADWP	Van Norman Complex		NOV Dated June 13, 2016		0.32
16	9/28/2018	Transfer	Non-native woodland	LADWP	Van Norman Complex		NOV Dated June 13, 2016		0.02
17	12/26/2018	Transfer	Great Basin scrub	Design, Create, Explore	Palmdale Aerospace Academy		1600-2018-0176-R5		0.25
17	12/26/2018	Transfer	Riparian forest	Design, Create, Explore	Palmdale Aerospace Academy		1600-2018-0176-R5		0.80
18	2/5/2019	Transfer	Riparian forest	City of Santa Clarita	Canyon Country	SPL-2016-00526-ZAS	1600-2018-0130-R5	18-061	0.00
18	2/5/2019	Transfer	Riparian scrub	City of Santa Clarita	Canyon Country	SPL-2016-00526-ZAS	1600-2018-0130-R5	18-061	0.02
18	2/5/2019	Transfer	Great Basin scrub	City of Santa Clarita	Canyon Country	SPL-2016-00526-ZAS	1600-2018-0130-R5	18-061	0.27
18	2/5/2019	Transfer	Cismontane woodland, pinyon-juniper woodland	City of Santa Clarita	Canyon Country	SPL-2016-00526-ZAS	1600-2018-0130-R5	18-061	0.02
18	2/5/2019	Transfer	Chaparral	City of Santa Clarita	Canyon Country	SPL-2016-00526-ZAS	1600-2018-0130-R5	18-061	0.51
18	2/5/2019	Transfer	Valley and foothill grassland	City of Santa Clarita	Canyon Country	SPL-2016-00526-ZAS	1600-2018-0130-R5	18-061	0.17
19	2/14/2019	Transfer	Riparian forest	City of Los Angeles	Wilmington Drain Multi-Use		1600-2010-0363-R5		1.01
20	7/22/2019	Transfer	Chaparral	LADWP	Slymar Filter Replacement and Storm Drain Conversion Project		1600-2018-0216-R5	18-115	0.51
20	7/22/2019	Transfer	Great Basin scrub	LADWP	Slymar Filter Replacement and Storm Drain Conversion Project		1600-2018-0216-R5	18-115	0.09
20	7/22/2019	Transfer	Riparian forest	LADWP	Slymar Filter Replacement and Storm Drain Conversion Project		1600-2018-0216-R5	18-115	0.16
20	7/22/2019	Transfer	Riparian scrub	LADWP	Slymar Filter Replacement and Storm Drain Conversion Project		1600-2018-0216-R5	18-115	0.03
20	7/22/2019	Transfer	Seeps, meadows, marshes	LADWP	Slymar Filter Replacement and Storm Drain Conversion Project		1600-2018-0216-R5	18-115	0.06
20	7/22/2019	Transfer	Bare Ground	LADWP	Slymar Filter Replacement and Storm Drain Conversion Project		1600-2018-0216-R5	18-115	0.00

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Transaction No.	Date	Transaction Type	CEQA Credit Type	Project Applicant	Project Name	Corps File No.	CDFW File No.	RWQCB File No.	Transfer
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CEQA Credit Type		Release	Transfer	Available
Bare Ground		5.79	1.37	4.43
Chaparral		166.27	16.30	149.97
Cismontane woodland, pinyon-juniper woodland		4.75	0.03	4.72
Great Basin scrub		161.49	24.61	136.88
Non-native woodland		0.20	0.07	0.13
Open water		0.50		0.50
Riparian forest		9.13	4.94	4.19
Riparian scrub		2.50	0.20	2.31
Seeps, meadows, marshes		30.33	20.75	9.58
Valley and foothill grassland		94.91	40.06	54.85
		475.88	108.32	367.55

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Petersen Ranch Mitigation Bank RWQCB (PC) Ledger									
Tuesday, February 4, 2020									
Transaction No.	Date	Transaction Type	PC Credit Type	Project Applicant	Project Name	Corps File No.	CDFW File No.	RWQCB File No.	Transfer
Release A1	6/16/2016	Release	Non-wetland Riparian Preserved						0.68
Release A1	6/16/2016	Release	Wetland Riparian Riparian Buffer Preserved						0.00
Release A1	6/16/2016	Release	Wetland Riparian						0.01
Release A1	6/16/2016	Release	Seasonal Wetland Upland Buffer Preserved						14.72
Release A1	6/16/2016	Release	Seasonal Wetland Riparian Buffer Preserved						0.18
Release A1	6/16/2016	Release	Seasonal Wetland Preserved						0.14
Release A1	6/16/2016	Release	Open Water Upland Buffer Preserved						0.50
Release A1	6/16/2016	Release	Wetland Riparian Upland Buffer Preserved						0.02
Release A1	6/16/2016	Release	Open Water						0.01
Release A1	6/16/2016	Release	Seasonal Wetland						0.02
Release A1	6/16/2016	Release	Freshwater Marsh Upland Buffer Preserved						0.24
Release A1	6/16/2016	Release	Freshwater Marsh						0.04
Release A1	6/16/2016	Release	Ephemeral Stream Upland Buffer Preserved						10.89
Release A1	6/16/2016	Release	Ephemeral Stream Riparian Buffer Preserved						0.23
Release A1	6/16/2016	Release	Ephemeral Stream Preserved						0.35
Release A1	6/16/2016	Release	Ephemeral Stream						0.05
Release A1	6/16/2016	Release	Open Water Preserved						0.00
Release A1	6/16/2016	Release	Open Water Riparian Buffer Preserved						0.03
2	6/20/2016	Transfer	Ephemeral Stream Preserved	LADWP	Beacon Solar			6B151305002	0.15
7	12/19/2016	Transfer	Seasonal Wetland	Seneca Resources	Sespe Basin and Weeper Dam			15-024	0.01
8	3/13/2017	Transfer	Ephemeral Stream Preserved	Pierce Hardy Limited Partnership	84 Lumber Lancaster Store		1600-2016-0134-R5	6B191605006	0.20
8	3/13/2017	Transfer	Ephemeral Stream Riparian Buffer Preserved	Pierce Hardy Limited Partnership	84 Lumber Lancaster Store		1600-2016-0134-R5	6B191605006	0.05
8	3/13/2017	Transfer	Ephemeral Stream Upland Buffer Preserved	Pierce Hardy Limited Partnership	84 Lumber Lancaster Store		1600-2016-0134-R5	6B191605006	0.25
9	5/3/2017	Transfer	Ephemeral Stream	Center at Needham Ranch Land LLC	Gate King	SPL-2011-01067-BEM	1600-2006-0177-R5	11-123	0.04
9	5/3/2017	Transfer	Freshwater Marsh	Center at Needham Ranch Land LLC	Gate King	SPL-2011-01067-BEM	1600-2006-0177-R5	11-123	0.01

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9	5/3/2017	Transfer	Open Water	Center at Needham Ranch Land LLC	Gate King	SPL-2011-01067-BEM	1600-2006-0177-R5	11-123	0.01
9	5/3/2017	Transfer	Seasonal Wetland	Center at Needham Ranch Land LLC	Gate King	SPL-2011-01067-BEM	1600-2006-0177-R5	11-123	0.00
Release A2	6/5/2018	Release	Seasonal Wetland Upland Buffer Preserved						24.54
Release A2	6/5/2018	Release	Wetland Riparian						0.02
Release A2	6/5/2018	Release	Ephemeral Stream						0.08



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Transaction No.	Date	Transaction Type	PC Credit Type	Project Applicant	Project Name	Corps File No.	CDFW File No.	RWQCB File No.	Transfer
Release A2	6/5/2018	Release	Seasonal Wetland Riparian Buffer Preserved						0.30
Release A2	6/5/2018	Release	Freshwater Marsh Upland Buffer Preserved						0.40
Release A2	6/5/2018	Release	Ephemeral Stream Preserved						0.59
Release A2	6/5/2018	Release	Ephemeral Stream Riparian Buffer Preserved						0.38
Release A2	6/5/2018	Release	Wetland Riparian Riparian Buffer Preserved						0.00
Release A2	6/5/2018	Release	Freshwater Marsh						0.07
Release A2	6/5/2018	Release	Seasonal Wetland Preserved						0.23
Release A2	6/5/2018	Release	Non-wetland Riparian Preserved						1.13
Release A2	6/5/2018	Release	Wetland Riparian Upland Buffer Preserved						0.03
Release A2	6/5/2018	Release	Open Water						0.02
Release A2	6/5/2018	Release	Open Water Preserved						0.00
Release A2	6/5/2018	Release	Open Water Riparian Buffer Preserved						0.04
Release A2	6/5/2018	Release	Open Water Upland Buffer Preserved						0.83
Release A2	6/5/2018	Release	Seasonal Wetland						0.03
Release A2	6/5/2018	Release	Ephemeral Stream Upland Buffer Preserved						18.15
13	6/26/2018	Transfer	Ephemeral Stream	Southern California Edison	401 Programmatic Permit			SB17001GN	0.03
16	9/28/2018	Transfer	Wetland Riparian Upland Buffer Preserved	LADWP	Van Norman Complex		NOV Dated June 13, 2016		0.05
16	9/28/2018	Transfer	Seasonal Wetland Upland Buffer Preserved	LADWP	Van Norman Complex		NOV Dated June 13, 2016		11.21
16	9/28/2018	Transfer	Seasonal Wetland	LADWP	Van Norman Complex		NOV Dated June 13, 2016		0.00
16	9/28/2018	Transfer	Ephemeral Stream	LADWP	Van Norman Complex		NOV Dated June 13, 2016		0.06
18	2/5/2019	Transfer	Ephemeral Stream Preserved	City of Santa Clarita	Canyon Country	SPL-2016-00526-ZAS	1600-2018-0130-R5	18-061	0.38

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Transaction No.	Date	Transaction Type	PC Credit Type	Project Applicant	Project Name	Corps File No.	CDFW File No.	RWQCB File No.	Transfer
			PC Credit Type	Release	Transfer	Available			
			Ephemeral Stream	0.13	0.13	0.01			
			Ephemeral Stream Preserved	0.94	0.73	0.21			
			Ephemeral Stream Riparian Buffer Preserved	0.61	0.05	0.55			
			Ephemeral Stream Upland Buffer Preserved	29.05	0.25	28.80			
			Freshwater Marsh	0.11	0.01	0.10			
			Freshwater Marsh Upland Buffer Preserved	0.65		0.65			
			Non-wetland Riparian Preserved	1.81		1.81			
			Open Water	0.03	0.01	0.03			
			Open Water Preserved	0.00		0.00			
			Open Water Riparian Buffer Preserved	0.07		0.07			
			Open Water Upland Buffer Preserved	1.32		1.32			
			Seasonal Wetland	0.05	0.01	0.04			
			Seasonal Wetland Preserved	0.37		0.37			
			Seasonal Wetland Riparian Buffer Preserved	0.48		0.48			
			Seasonal Wetland Upland Buffer Preserved	39.26	11.21	28.05			
			Wetland Riparian	0.02		0.02			
			Wetland Riparian Riparian Buffer Preserved	0.01		0.01			
			Wetland Riparian Upland Buffer Preserved	0.05	0.05	0.00			
				74.97	12.46	62.51			

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Petersen Ranch Mitigation Bank CDFW (CESA) Ledger									
Tuesday, February 4, 2020									
Transaction No.	Date	Transaction Type	CESA Credit Type	Project Applicant	Project Name	Corps File No.	CDFW File No.	RWQCB File No.	Transfer
Release A1	6/16/2016	Release	Swainson's hawk foraging						154.58
Release E1	6/16/2016	Release	Swainson's hawk foraging						23.28
1	6/17/2016	Transfer	Swainson's hawk foraging	Ermine St. LLC	Keystone Project - Tract 60258	SPL-2006-00667-AOA	1600-2006-0100-R5	11-175	2.40
2	6/20/2016	Transfer	Swainson's hawk foraging	LADWP	Beacon Solar			6B151305002	0.15
3	6/20/2016	Transfer	Swainson's hawk foraging	LADWP	Haskell Canyon Switching Station			13-031	1.98
4	6/20/2016	Transfer	Swainson's hawk foraging	LADWP	Barren Ridge Transmission Line			SB15001IN	3.93
5	6/21/2016	Transfer	Swainson's hawk foraging	SCE	Aliso Canyon Turbine Replacement			14-101	0.85
6	12/19/2016	Transfer	Swainson's hawk foraging	Santa Clarita Valley Sanitation District	Valencia Water Reclamation Plant		1600-2016-0004-R5		1.22
7	12/19/2016	Transfer	Swainson's hawk foraging	Seneca Resources	Sespe Basin and Weeper Dam			15-024	0.22
8	3/13/2017	Transfer	Swainson's hawk foraging	Pierce Hardy Limited Partnership	84 Lumber Lancaster Store		1600-2016-0134-R5	6B191605006	1.14
9	5/3/2017	Transfer	Swainson's hawk foraging	Center at Needham Ranch Land LLC	Gate King	SPL-2011-01067-BEM	1600-2006-0177-R5	11-123	15.61
10	7/25/2017	Transfer	Swainson's hawk foraging	SCE	Mesa Substation	SPL-2015-00324-SLP	1600-2016-034-R5		5.08
11	11/6/2017	Transfer	Swainson's hawk foraging	Limoneira Lewis Community Builders, LLC	East Area One Specific Plan			4WQC40116130	4.56
Release A2	6/5/2018	Release	Swainson's hawk foraging						257.64
Release E2	6/5/2018	Release	Swainson's hawk foraging						38.80
12	6/22/2018	Transfer	Swainson's hawk foraging	Southern California Edison	Tower M1-T6			16-128	0.09
13	6/26/2018	Transfer	Swainson's hawk foraging	Southern California Edison	401 Programmatic Permit			SB17001GN	0.19
14	8/27/2018	Transfer	Swainson's hawk foraging	Whittaker Corporation	Former Whittaker-Bermite Facility Remediation		1600-2010-0366-R5-A1		0.53

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15	8/27/2018	Transfer	Swainson's hawk foraging	Sand Canyon Plaza LLC	Sand Canyon Plaza	1600-2017-0092-R5, Revision 4	5.13
16	9/28/2018	Transfer	Swainson's hawk foraging	LADWP	Van Norman Complex	NOV Dated June 13, 2016	61.29
17	12/26/2018	Transfer	Swainson's hawk foraging	Design, Create, Explore	Palmdale Aerospace Academy	1600-2018-0176-R5	1.05
18	2/5/2019	Transfer	Swainson's hawk foraging	City of Santa Clarita	Canyon Country	SPL-2016-00526-ZAS 1600-2018-0130-R5	18-061 1.00

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Transaction No.	Date	Transaction Type	CESA Credit Type	Project Applicant	Project Name	Corps File No.	CDFW File No.	RWQCB File No.	Transfer
19	2/14/2019	Transfer	Swainson's hawk foraging	City of Los Angeles	Wilmington Drain Multi-Use		1600-2010-0363-R5		1.01
20	7/22/2019	Transfer	Swainson's hawk foraging	LADWP	Slymar Filter Replacement and Storm Drain Conversion Project		1600-2018-0216-R5	18-115	0.85

CESA Credit Type	Release	Transfer	Available
Swainson's hawk foraging	474.30	108.29	366.01
	474.30	108.29	366.01